

CLAIMS

1. An access terminal, comprising:
transceiver means adapted for high rate packet data communications;
session information identification means for providing a location of session information for a current data communication session, wherein the location information identifies a storage location external to the mobile station.
2. The access terminal as in claim 1, wherein the location of the session information is identified by a first Internet Protocol (IP) address.
3. The access terminal as in claim 2, wherein the transceiver means is further adapted to receive the location of session information and provide the location of the session information to the session information identification means.
4. The access terminal as in claim 1, wherein the session information identification means comprises:
session information determination means adapted to receive the location of the session information; and
mobile station identifier generator, wherein the mobile station identifier generator uses the location of session information as a mobile station identifier.
5. The access terminal as in claim 4, wherein the mobile station identifier generator provides a pointer to the location of session information.
6. The access terminal as in claim 4, wherein the mobile station identifier generator provides an initial random identifier prior to receiving the location of the session information.
7. The access terminal as in claim 6, further comprising:
a processor adapted to initiate an access request, wherein the access request initiates a session.

8. The access terminal as in claim 4, wherein the mobile station identifier generator provides a compressed version of the location of session information.

9. The access terminal as in claim 8, wherein the location of session information is identified by an Internet Protocol (IP) address wherein the IP address is constructed using the compressed version of the location.

10. The access terminal as in claim 9, wherein the mobile station identifier generator provides a portion of the IP address as a mobile station identifier.

11. The access terminal as in claim 10, wherein the portion of the IP address is locally unique within a current portion of a communication system.

12. A method for a communication session in a wireless communication system supporting Internet Protocol (IP) communications, the method comprising:
receiving a request for a first communication session;
establishing the first communication session;
storing session information for the first communication session in a first location;
determining a session information IP address to the first location; and
assigning the session information IP address to a mobile station identifier for an access terminal participant to the first communication session.

13. The method as in claim 12, wherein the mobile station identifier includes a color code corresponding to a portion of the wireless communication system.

14. The method as in claim 13, wherein the color code is a compressed version of a sector identification value.

15. Apparatus in a communication session in a wireless communication system supporting Internet Protocol (IP) communications, the apparatus comprising:
means for receiving a request for a first communication session;
means for establishing the first communication session;

means for storing session information for the first communication session in a first location;

means for determining a session information IP address to the first location; and

means for assigning the session information IP address to a mobile station identifier for an access terminal participant to the first communication session.

16. A method for a communication session in a wireless communication system supporting Internet Protocol (IP) communications, the method comprising:

receiving a message from an access terminal, the message including a mobile station identifier;

extracting a session information IP address from the mobile station identifier;

requesting session information using the session information IP address;

receiving the session information; and

processing the communication session with the access terminal.

17. The method as in claim 16, wherein the session information IP address is a compressed value, the method further comprising:

mapping the session information IP address to a full IP address; and

generating an IP packet using the full IP address.

18. An apparatus for a communication session in a wireless communication system supporting Internet Protocol (IP) communications, the apparatus comprising:

receiving a message from an access terminal, the message including a mobile station identifier;

extracting a session information IP address from the mobile station identifier;

requesting session information using the session information IP address;

receiving the session information; and

processing the communication session with the access terminal.

19. The apparatus as in claim 18, wherein the session information IP address is a compressed value, the apparatus further comprising:

mapping the session information IP address to a full IP address; and

generating an IP packet using the full IP address.

20. The apparatus as in claim 19, wherein the compressed value is locally unique within a portion of the wireless communication system.

21. A session holder in a wireless communication system supporting Internet Protocol (IP) communications, the session holder being assigned an IP address, the session holder comprising:

- receiver for receiving a request message, the request message having a destination portion identifying the element;
- memory storage unit for storing session information for a first session;
- transmitter for sending a response to the request message, the response including at least a portion of the session information for the first session.

22. An infrastructure element in a wireless communication system supporting Internet Protocol (IP) communications, the element having an IP address, the element comprising:

- receiver for receiving a communication from an access terminal, the communication including a mobile station identifier;
- processor coupled to the receiver, the processor determining a session holder IP address from the mobile station identifier; and
- means for sending an IP request for session information of the communication with the access terminal, wherein the IP request uses the session holder IP address as a destination address .